

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER I-10-031

Relating to Independent Contractor Approval Under
California Code of Regulations, Title 17, Section 91207

The Avogadro Group, LLC

WHEREAS, the Air Resources Board (ARB), pursuant to California Health and Safety Code section 41512, has established the procedures contained in California Code of Regulations, title 17, sections 91200-91220, to allow the use of independent testers for compliance tests required by ARB;

WHEREAS, it has been determined that The Avogadro Group, LLC, meets the requirements of ARB for conducting ARB Test Methods 1, 2, 3, 4, 5, 8, 17, 100 (CO, CO₂, NO_x, O₂, SO₂, THC), Visible Emissions Evaluation (VEE), United States Environmental Protection Agency (U.S. EPA) Test Method 201A determining the condensable using back-half as specified in ARB Test Method 5, and U. S. EPA Test Methods 18, 202, and 320, pursuant to California Code of Regulations, title 17, sections 91200-91220, when the following conditions are met:

1. The Avogadro Group, LLC permanently marks or engraves an identification number on the body of each of its pitot tubes;
2. The Avogadro Group, LLC calibrates its differential pressure gauges after each test series in accordance with section 2.2 of ARB Test Method 2, and establishes and maintains a log of the calibrations;
3. The Avogadro Group, LLC calibrates and repairs its nozzles used in isokinetic testing as required by section 5.1 of ARB Test Method 5, and establishes and maintains a log of the calibrations which shall include notes on the repairs on each nozzle;
4. The Avogadro Group, LLC uses a filter holder, and filter support as required by section 2.1.5 of ARB Test Method 5;
5. The Avogadro Group, LLC permanently and uniquely identifies its isokinetic nozzles;
6. The Avogadro Group, LLC installs a temperature gauge to determine the temperature of the condenser outlet as required by ARB Test Method 100;
7. The person performing VEE passed ARB's Compliance Training Course #100: Fundamentals of Enforcement (FOE)/Visible Emissions Evaluation (Smoke School) and is currently certified to conduct VEE. Any subsequent recertification

must be from a certifying body recognized by ARB at the time VEE reader conducts the VEE test;

8. The Avogadro Group, LLC shall use Michelle Hoffman as the Extractive Fourier Transform Infrared (FTIR) Spectroscopy analyst, on site, in charge of, and participating in, all testing using the above method until such time as additional FTIR analysts are trained in accordance with section 2.4 of U.S. EPA Method 320. The Avogadro Group, LLC shall establish and maintain documentation of all relevant training given to FTIR analysts. Michelle Hoffman shall review all test reports using this method; and

WHEREAS, ARB's Executive Officer, pursuant to California Health and Safety Code section 39516, issued Executive Order G-02-008 delegating to the Chief of ARB's Monitoring and Laboratory Division the authority to approve independent testers in accordance with California Code of Regulations, title 17, sections 91200-91220.

NOW, THEREFORE, I, Alberto Ayala, Chief of ARB's Monitoring and Laboratory Division, order that The Avogadro Group, LLC is granted an approval, from the date of execution of this order, until June 30, 2011, to conduct the tests listed above, subject to compliance with California Code of Regulations, title 17, sections 91200-91220.

BE IT FURTHER ORDERED that during the approved period, the Executive Officer or his authorized representative may field audit one or more tests conducted pursuant to this order for each type of testing listed above.

Executed at Sacramento, California this 27th day of July 2010.

Original signed by

Alberto Ayala, Ph.D., M.S.E.
Chief, Monitoring and Laboratory Division